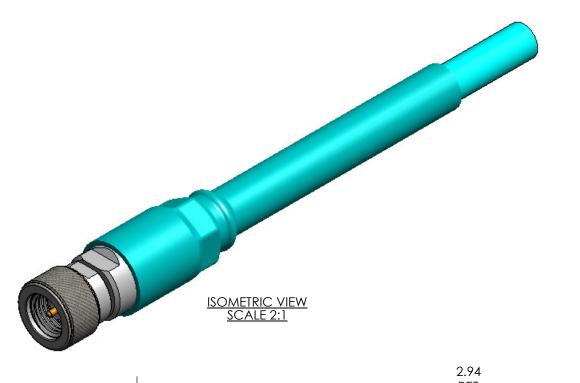
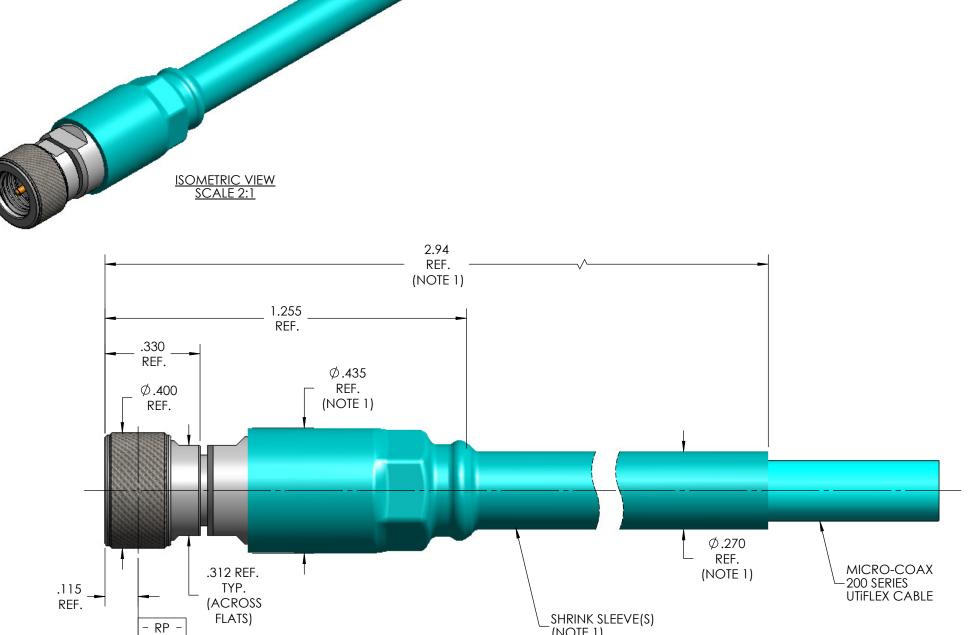
MECHANICA	AL CHARACTERISTICS
INTERFACE	MIL-STD-348, FIGURE 310-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/55 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CENTER CONTACT INSERTION (FROM CABLE)	3 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	30 LBS MIN.
MASS	11.02 GRAMS NOM.
FLECTRICAL	L CHARACTERISTICS
	T
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	22 GHz
VSWR DC - 18 GHz	
18 - 22 GHz	1.22:1 MAX.
INSERTION LOSS	0.03 VF (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1175 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 22 GHz	-80 dB MIN.
CORONA	300 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	775 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMEN	TAL CHARACTERISTICS
OPERATING TEMPERATURE	-62°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
MATERI	ALS AND FINISH
BODY, CLAMP NUT, & COUPLING NUT	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
CONTACT	BERYLLIUM COPPER, ASTM-B-196 GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
	BERYLLIUM COPPER, PER ASTM-B-197
SNAP RING	TFE FLUOROCARBON PER ASTM-D-1710
SNAP RING	
INSULATOR & DIELECTRIC STOP	
	SILICONE RUBBER PER ZZ-R-765
INSULATOR & DIELECTRIC STOP	
GASKET CONTACT RING	SILICONE RUBBER PER ZZ-R-765 BRASS, PER ASTM-B-16 GOLD PLATE PER MIL-DTL-45204, OVER
INSULATOR & DIELECTRIC STOP GASKET CONTACT RING AP	SILICONE RUBBER PER ZZ-R-765 BRASS, PER ASTM-B-16 GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 PLICATION
GASKET CONTACT RING	SILICONE RUBBER PER ZZ-R-765 BRASS, PER ASTM-B-16 GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290



THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.



.XX

.XXX

.XXXX

ANGLES

SPECIFICATION DRAWING

NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

	THIS SPECIFICATION IS THE		INITIALS	DATE	
PROPERTY OF MICRO-COAX, INC. AND MAY NOT BE USED	DWN.	MJM	3/29/10],	
	OR COPIED WITHOUT THE EXPRESS WRITTEN PERMISSION	CHKD.	MJM	5/6/13	
OF MICRO-COAX, INC.	APPVD.				
	TOLERANCES UNLESS	TITLE			

(NOTE 1)

± .0010

±2°

MICRO-COAX Leading the way in transmission line solutions. Copyright Micro-Coax, Inc.

OTHEWISE SPECIFIED SMA PLUG, KNURLED COUPLING NUT, 200 SERIES CABLE ± .02 ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED ± .005

DESCRIPTION

ECO 105245

REVISED OPERATION TEMP FROM -65°C TO -62°C

1

2

APPVD CHKD

MJR

MJM

RS

RS

DATE

3/29/2010

5/2/2013

BY

MJM

MJM

ALL DIMENSIONS IN INCHES	FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	RE'
UNLESS OTHERWISE SPECIFIED.						1
SCREW THDS. TO BE IN ACCORD	7 1 7 20	D	2.1	1 OE 1	SD905054	1 2
WITH ANSI B1.1-1989.	04007	D	J. I		30703034	-
		l .				